

ABSTRACT

An automated manufacturing system comprises a computer processing system and a plurality of consolidation systems. The computer processing system receives information on product subbatches and product packages and consolidation status information to produce consolidation assignment information, each product package comprising one or more product subbatches. The consolidation systems receive the product subbatches in accordance to the consolidation assignment information and consolidate the product subbatches into product packages, wherein the status of the consolidation systems are tracked and the consolidation status information is sent to the computer processing system.